

INSTALLATION INSTRUCTIONS



BAKER 9 PLATE STREET PERFORMANCE CLUTCH

OVERVIEW

V.021507



BAKER 9 PLATE STREET PERFORMANCE CLUTCH

FEATURES

- * 66 TOOTH RING GEAR THAT IS 23% LARGER THAN STOCK
- * 1 PIECE STEEL CLUTCH BASKET
- * 9 KEVLAR FRICTION PLATES
- * BLUE ANODIZED CARRIER AND PRESSURE PLATE
- * HARD ANODIZED INNER HUB FOR DURABILITY AND WEAR RESISTANCE
- * VORTEX OIL PORTS TO PUMP OIL THROUGH THE CLUTCH KEEPING HEAT DOWN
- * 2 BELLEVILLE SPRINGS, SO YOU CAN CHANGE YOUR SPRING LOAD.

APPLICATION AND REQUIRED HARDWARE:

1990-2006 BIG TWIN APPLICATIONS (EXCEPT 2006 DYNA)

BAKER 9 PLATE PERFORMANCE CLUTCH INSTALLATION:

V.1

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INCLUDED PARTS

PARTS PROVIDED WITH THE BAKER 9 PLATE STREET PERFORMANCE CLUTCH

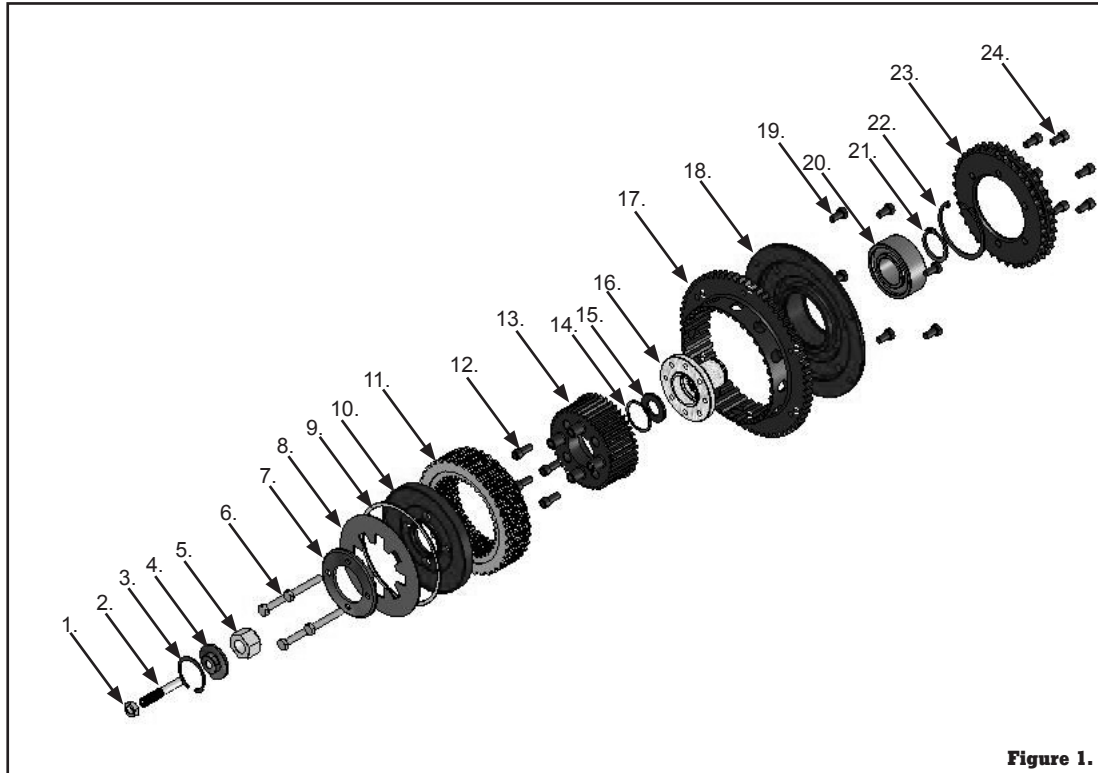


Figure 1.

THE FOLLOWING PARTS ARE INCLUDED AS SHOWN IN FIGURE 1.

1.	P/N: 36258	QTY: 1	7/16-20 JAM NUT
2.	P/N: 9P235-56	QTY: 1	ADJUSTER SCREW
3.	P/N: 1308-175PP	QTY: 1	SNAP RING, INTERNAL, KEY HOLE FITTING
4.	P/N: 9P219-56	QTY: 1	KEY HOLE FITTING
5.	P/N: 9P217-56	QTY: 1	NUT, CLUTCH LEFT HAND THREAD
6.	P/N: 13061	QTY: 4	5/16-18 X 2" HEX BOLTS
7.	P/N: 3073-DSSC-HC	QTY: 1	PIVOT PLATE
8.	P/N: 3083C-DSSC	QTY: 1	SPRING, DIAPHRAGM, .072" THICK
8.	P/N: 3084-DSSC	QTY: 1	SPRING, DIAPHRAGM, .093" THICK
9.	P/N: 3075-DSSC	QTY: 1	SEAT, DIAPHRAGM SPRING
10.	P/N: 3063-DSSC-AB	QTY: 1	PRESSURE PLATE
11.	P/N: 3223-DSSC	QTY: 9	FRICTION PLATE .095" THICK
11.	P/N: 3113-DSSC	QTY: 7	STEEL PLATE, .059" THICK
11.	P/N: 3123-DSSC	QTY: 1	STEEL PLATE, .121" THICK
11.	P/N: 5579	QTY: 1	STEEL PLATE, .079" THICK
12.	P/N: 23253	QTY: 4	5/16-18 X 3/4" SHCS
13.	P/N: 9P234-56	QTY: 1	INNER HUB
14.	P/N: 0428247	QTY: 1	RETAINING RING, SPIRAL LOCK 1 1/2" INTERNAL
15.	P/N: 9P218-56	QTY: 1	WASHER, CLUTCH SEAT
16.	P/N: 9P233-56	QTY: 1	FLANGED HUB
17.	P/N: 9P231-56	QTY: 1	BASKET
18.	P/N: 9P232-56A	QTY: 1	CARRIER
19.	P/N: 18052	QTY: 6	5/16-24 X 5/8" HEX GRADE 8
20.	P/N: 3207	QTY: 1	BEARING, DOUBLE ROW
21.	P/N: 1460-137PP	QTY: 1	SNAP RING, 35MM X 2.5MM THICK
22.	P/N: 35258	QTY: 1	SNAP RING, 72MM INTERNAL
23.	P/N: D4A-35	QTY: 1	35 TOOTH CHAIN SPROCKET
23.	P/N: D4A-36	QTY: 1	36 TOOTH CHAIN SPROCKET
23.	P/N: D4A-37	QTY: 1	37 TOOTH CHAIN SPROCKET
23.	P/N: D4A-38	QTY: 1	38 TOOTH CHAIN SPROCKET
24.	P/N: 23252	QTY: 6	5/16-18 X 5/8" SHCS

SKILLS, KNOWLEDGE & TOOLS

SKILL LEVEL:

As with most things in life there is no substitute for skill and experience. It is highly recommended by BAKER DRIVETRAIN that when performing this task or any task related to the Drivetrain components on your motorcycle, that you refer to your Factory Service Manual for your specific model of bike.

SPECIAL TOOLS:

1 3/16" SOCKET (FOR CLUTCH NUT REMOVAL)
1 1/2" SOCKET (FOR COMPENSATING SPROCKET NUT)
TORQUE WRENCH
SNAP RING PLIERS

BAKER 9 PLATE PERFORMANCE CLUTCH INSTALLATION

PREPERATION

DISSASSEMBLY:

1. For your safety, DISCONNECT BOTH BATTERY POSTS (FAILURE TO DUE SO COULD RESULT IN PERSONAL INJURY).
2. Remove primary drain plug located at the bottom of your primary, drain fluid and dispose of at your local recycler.
3. On some models it is necessary to remove foot pegs / floor boards in order to remove the outer primary.
4. Remove the outer primary cover.
5. Refer to your Factory Service Manual to remove your stock clutch assembly and related primary components using the proper safety precautions and tools.



1994-2006 (EXCEPT 2006 DYNA MOTORCYLCES): REQUIRES THE USE OF OUR 9 TOOTH STARTER PINION (P/ N SP1000) WHICH CONVERTS YOUR 102 TOOTH CLUTCH CONFIGURATION INTO A 66 TOOTH CONFIGURATION TO WORK WITH OUR CLUTCH BASKET.

PINION REPLACMENT:

1. With Clutch assembly and primary components out of the way, remove the factory 10 tooth starter pinion (H-D P/N 31342-94). Replace the factory pinion with BAKER'S 9 tooth starter pinion (P/N SP1000) utilizing the Factory Service Manual for proper torque specifications reusing the Factory Hardware. (Fig 2)



BAKER DRIVETRIAN CLUTCH ASSEMBLIES ALL COME READY FOR INSTALLATION. FRICTION PLATES ARE PRESOAKED AT OUR FACILITY AND READY TO RUN.

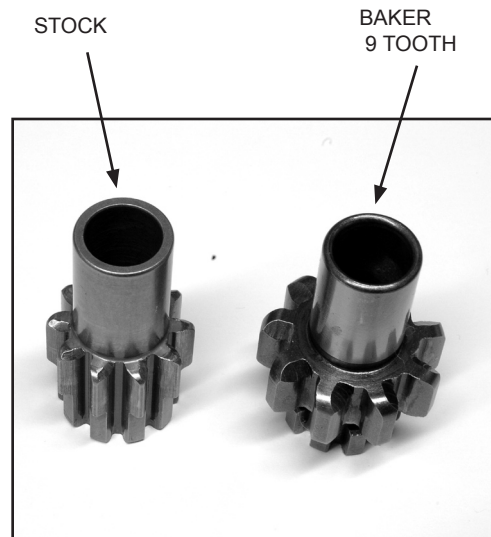


Figure 2.

BAKER 9 PLATE PERFORMANCE CLUTCH INSTALLATION

INSTALLATION OF YOUR BAKER STREET PERFORMANCE 9 PLATE CLUTCH:

1. Install your new clutch assembly, primary chain, and motor sprocket components following the Factory Service Manual. (fig 3)
2. Install the clutch nut supplied in the kit with the machined relief facing toward the clutch using "Red" Thread Lock. (fig 4)
3. Install compensating sprocket nut using "Red" Thread Lock.
4. Torque to Factory specifications found in your Factory Service Manual.
5. Adjust primary chain following steps listed in your Factory Service Manual.
6. Install clutch adjuster Key Hole Fitting and snap ring provided in kit. (WARNING ALWAYS WEAR PROPER EYE PROTECTION WHEN REMOVING AND INSTALLING SNAP RINGS. SLIPPAGE MAY PROPEL THE SNAP RING INTO THE AIR). (fig 5)
7. Adjust the clutch following steps listed in your Factory Service Manual.
8. Install outer primary and fill primary with proper fluid / amount through the derby cover opening (clutch inspection opening). Fluid recommendation and level found in your Factory Service Manual all though we have found that ATF (automatic transmission fluid / Dexron / Mercon) will provide better results.
9. Install derby cover (clutch inspection cover) with new gasket. Torque to Factory Service Manual specifications.
10. If floor boards or pegs were removed to install your clutch reinstall them as per Factory Service Manual.



Figure 3.



Figure 4.

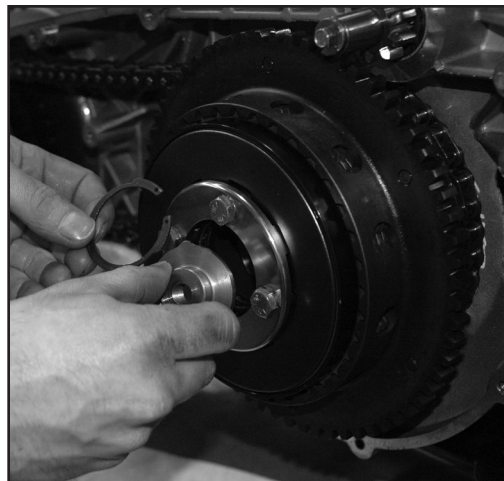


Figure 5.

BAKER 9 PLATE PERFORMANCE CLUTCH INSTALLATION



FOR THE LIFE OF YOUR NEW BAKER STREET PERFORMANCE 9 PLATE CLUTCH ALWAYS RE-ADJUST THE CLUTCH AFTER THE INITIAL “BREAK IN” PERIOD. THIS CAN VARY DEPENDING ON YOUR RIDING STYLE; BETWEEN 500-3000 MILES.

Your BAKER STREET PERFORMANCE 9 PLATE CLUTCH is shipped with a .072” thick Belleville spring (motors up to 120 H.P.) installed during assembly. Depending on your riding style this spring will be all you need.

For those guys who live on the edge, have huge motors, balls out no holding back we’ve included a .093” Belleville spring (recommend for race applications only). This spring when installed will increase your torque handling capacity by 60%.

NOTE: WHEN YOU CHANGE SPRING PRESSURE YOUR LEVER EFFORT WILL ALSO INCREASE.

BAKER 9 PLATE PERFORMANCE CLUTCH INSTALLATION



IF YOU ARE ONE OF THOSE GUYS HERE IS HOW TO REPLACE THE BELLEVILLE SPRING, RESULTING IN INCREASED LEVER EFFORT.

INSTALLATION OF DIAPHRAM SPRING:

Refer to the exploded view in Figure 7 as a guide.

1. Make sure the motorcycle is supported correctly on a lift or kickstand.
2. Put the motorcycle in 1st gear (this will help when removing the pivot plate bolts).
3. Remove the derby cover (clutch inspection cover).
4. Loosen the clutch adjustment.
5. Remove the clutch pivot plate bolts and remove the pivot plate.
6. Remove the diaphragm spring from the clutch assembly.
7. Install the .093" spring, making sure that the spring seat is installed correctly in the pressure plate behind the spring. (refer to Figure 6.)
8. Install the pivot plate / pivot plate bolts with Red Thread Lock. Lining up the tabs with the spring.
9. Snug all bolts down evenly in a cross pattern.
10. Torque all the bolts in a cross pattern to 200 in. lbs.
11. Re-adjust the clutch following the Factory Service Manual.
12. Install the derby cover (clutch inspection cover) per Factory Service Manual with new gasket.
13. RIDE IT LIKE YOU STOLE IT.

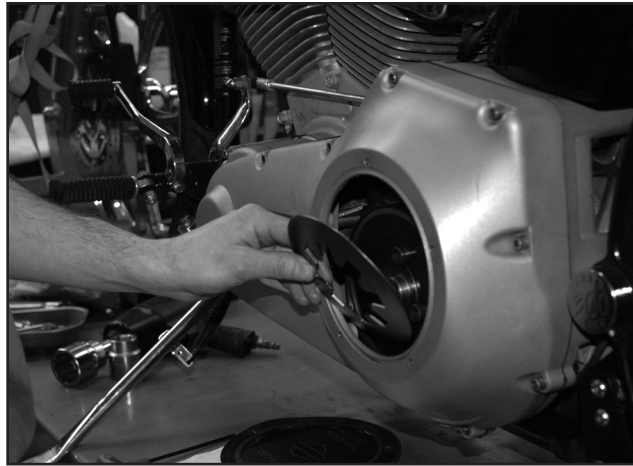


Figure 6.

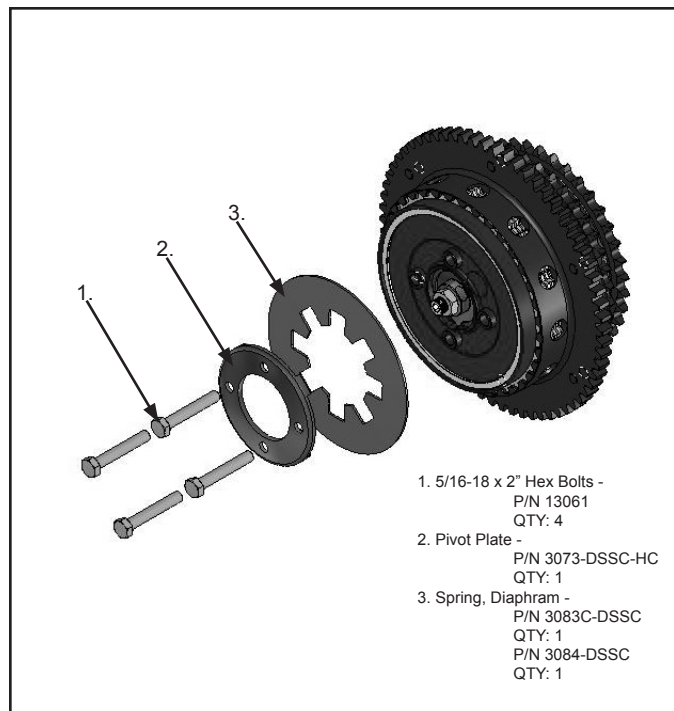


Figure 7.

TERMS

SPECIAL ORDERS

A minimum \$500 deposit is required with all special orders. Special orders include unique case finishes, unique side door requests (i.e.; wrinkle black door or no logo).

ALL OTHER ORDERS

Orders can be pre-paid using VISA, Mastercard or American Express.

Prices shown are F.O.B. Haslett, MI. BAKER™ provides free UPS ground shipping on all retail orders for complete transmissions or transmission kit. UPS air shipment is available upon request. Customer is responsible for air shipment premiums.

LIMITED WARRANTY

BAKER™ Inc. transmission assemblies, transmission kits, and wide tire kits are guaranteed to the original purchaser to be free of manufacturing defects in materials and workmanship for a period of 2 years from the date of purchase or up to 24,000 miles - whichever is sooner.

If the product is found by BAKER™ to be defective, such products will, at the option of BAKER™, be replaced or repaired at cost to BAKER™.

In the event warranty service is required, the original purchaser must call or write BAKER™ immediately with the problem.

If it is deemed necessary for BAKER™ to make an evaluation to determine whether the transmission assembly or transmission kit is defective, the entire transmission assembly, whether originally purchased as an assembly or kit, must be properly packaged and returned prepaid to BAKER™ with a copy of the original invoice of purchase.

If after an evaluation has been made by BAKER™ and a defect in materials and/or workmanship is found, BAKER™ will, at BAKER's option, repair or replace the defective part of the assembly.

Warranty card must be returned within 45 days of purchase to be valid.

ADDITIONAL WARRANTY PROVISIONS

This limited warranty does not cover labor or other costs or expenses incidental to the repair and or replacement of BAKER™ products. This warranty does not apply if one or more of the following situations is judged by BAKER™ to be relevant: improper installation, accident, modification (including but not limited to use of unauthorized parts), racing, high performance application, mishandling, misapplication, neglect (including but not limited to improper maintenance), or improper repair.

BAKER™ shall not be liable for any consequential or incidental damages arising out of or in connection with a BAKER™ transmission assembly, transmission kit, swingarm, fender, component or part. Consequential damages shall include without limitation, loss of use, income or profit, or losses sustained as the result of injury (including death) to any person or loss of or damage to property.

BAKER™ transmissions, transmission kits, clutches, and Wide Tire Kits are designed exclusively for use in Harley-Davidson® motorcycles. BAKER™ shall have no warranty or liability obligation if a BAKER™ part is used in any other application.

If it is determined that a BAKER™ transmission assembly has been disassembled during the warranty period for any reason, this limited warranty will no longer apply.

DISCLAIMER

The words Harley, and H-D are registered trademarks and are for reference only. Use of H-D model designations and part numbers are for reference only. BAKER Drivetrain has no association with, and makes no claim against, these words, trademarks, or companies.

It is the sole responsibility of the user to determine the suitability of this product for his or her use, and the user shall assume all legal, personal injury risk and liability and all other as well as all other obligations, duties and risks associated therewith.

CUSTOMER SUPPORT

For any installation or service questions, please contact our BAKER technical department toll free: 1-877-640-2004.